

Product datasheet for **SC216971**

RIZ1 (PRDM2) (NM_001135610) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RIZ1 (PRDM2) (NM_001135610) Human 3' UTR Clone
Symbol:	RIZ1
Synonyms:	HUMHOXY1; KMT8; KMT8A; MTB-ZF; RIZ; RIZ1; RIZ2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001135610
Insert Size:	1925 bp



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Insert Sequence:	>SC216971 3'UTR clone of NM_001135610 The sequence shown below is from the reference sequence of NM_001135610. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC ACAGCACCTGAAGTGACCTGGAATCAGTGAAGCCAAAGGGACTGGCAGTCTGCCCTGCAGGGAGTACCG ACCTATCCAGTTGTGTGAGGCTGCGAGAGAAAGGGAGTGCATGTGCGCGCTGCATGTGTGCGTGCGT GTGTGTTACGTGTTCTCGTGCGGGCGCGTGAGTGGTCTTCAAACGAGGGTCCCGATCCCGGGGCGGC AGGAAGGGGGCGGACTCCACGCTGTCTTTGGGATGATACTTGGATGCAGCTCTTGGGACCGTGTCTG CAGCCCAGCCTTCTGTGGGTGGGGCTCTCCTACTATGCAATTTTCAAGAGCTCCTTGACCCTGC TTTTTGCTTCTTGAGTTGCTTTTGCCATTATGGGGACTTTGGTTTGACCCAGGGGTGAGCCTTAGGAA GGCCTTCAGGAGGAGCCGAGTTCCTTCAGTACCACCCCTCTCTCCACCTTCCCTCTCCGCGCAA CATCTCTGGGAATCAACAGCATATTGACACGTTGGAGCCGAGCCTGAACATGCCCTCGGCCCCAGCAC ATGGAAAACCCCTTCTTGCCTAAGGTGTCTGAGTTTCTGGCTCTTGAGGCATTCCAGACTTGAAAT TCTCATCAGTCCATTGCTCTTGAGTCTTTGCAGAGAACCTCAGATCAGGTGCACCTGGGAGAAAGACTT TGTCCTCCACTTACAGATCTATCTCTCCCTTGGGAAGGGCAGGAATGGGGACGGTGTATGGAGGGGAG GGATCTCTGCGCCCTTATTGCCACACTTGGTGGGACCATGAACATCTTTAGTGTCTGAGCTTCTCAA ATTAGCTGCAATAGGAAAAAACAAATTGGGAAATGAAAAAAATGGGAAGATTAAGAACACAGGGG GAAGAAGAAGAGATTTTCGAGGCCATCTGCCAGGGCGGACGGGGTGAAGTCTCTGCTCTCTGGAGGAC GGTCAGTCCATGTCTCGGAGAAACGGGTGAGCTGAGCTTGGCGTTTGACCCAGTTGAGTGGGTTCTT GGGTTTTGTGCTTTGGGGCAGACCCAGGCAAGGATGTCTGAGACCCTTGGGCGCTGTTTTCTCAGC TCCAATTTCAAGAGTGAGCTATCAAACCCAGAGCGGAAGGAGGGAGCTCTGATGAGCACGGTTTGTGAC ACGATAAAGGATTTTTTTTTTTCAGGGCTACTACGGTTGATCTTGCAACTCTGTAATATGTATGTAGA CACTTTTAAAGCACGTATTTATGTCCCTGACTGTAAATGCTCCATTTTTAAAGTTTTATAACTGTGT TATTTAATGAGTCAGTCAATCGGCTGCAGTATGGGATCTGATAAGGATCTAGGAGAAGGGTCTATGCG GACCTCACATGGGCAGAAAAATGGTGGTCATTGGCCGACATCACAGTTTTCTGTTTCCACCCAGCT AAAAACCGTTGTTTGCTTTAAATTTTCATAAACTGGAATCCTTTACCCGCTCTACAGTAACCTCA CAAGCATGAAGTGTGTGCTGTTCTTATCCTAATGATGCGCTTTGTCCCGTAAATGTAACTCA TGAAGCATACCCGGCCTCTCAGTTCTTGAGGGCTCCCAACCGCAGCAGCAAGGAAAGCTCACGAACC CCAAACCTGGCAAGTCACCTGCAGCCCATGGTGAGCTCTGGGAAGTGTGTTGAGGCCTTGGGGTCACT CCTTTTTTGATGTGCAATGTGCTGGTCACCTTCAACGCTCCAGACGGTCAGGAAAAGTGTCCAA TCATGAAAAGGGGGATGATTTTGTAAGTGGCATTCTCTGGTCAGTGGTGGTCTTCAAGACGACAGC TCTGTATCTGCCATGTGAAGAGAATTAACAATAAAAGTGTGAAGAGCGATTGTGAGGAACAA ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001135610.2</u>

Summary:

This tumor suppressor gene is a member of a nuclear histone/protein methyltransferase superfamily. It encodes a zinc finger protein that can bind to retinoblastoma protein, estrogen receptor, and the TPA-responsive element (MTE) of the heme-oxygenase-1 gene. Although the functions of this protein have not been fully characterized, it may (1) play a role in transcriptional regulation during neuronal differentiation and pathogenesis of retinoblastoma, (2) act as a transcriptional activator of the heme-oxygenase-1 gene, and (3) be a specific effector of estrogen action. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]

Locus ID:

7799

MW:

71